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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,880	11/28/2001	Thomas A. Koes	50884	1611
21874 75	590 12/14/2006	•	EXAMINER	
	& ANGELL, LLP		LEE, S	SIN J
P.O. BOX 55874 BOSTON, MA 02205			ART UNIT	PAPER NUMBER
,			1752	
		DATE MAILED: 12/14/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

This action is FINAL. Zb) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims A Claim(s) 1.6-12.17 and 18 is/are pending in the application. 4a Of the above claim(s)							
## Examiner Sin J. Lee 1752 - The MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extendent of time may be available under the provisions of 37 CFR 1.13(6). Inno event, however, may a may be terminally the time from the cover sheet with the correspondence address - Period for time may be available under the provisions of 37 CFR 1.13(6). Inno event, however, may a may be terminally the time from the first of the provision of time may be available under the provisions of 37 CFR 1.13(6). Inno event, however, may a may be terminally the time from the first of the provision of time may reduce the time form the provisions. The provision of the maining date of this communication. - False's to sely, within the set or extended period for reply will, by statistic, cause the application to become ABANDONED (38 U.S. 5, 133). Annual provision of the provision of the maining date of this communication. False's the provision of the major plant the maining date of this communication. False's the provision of the prov			Application No.	Applicant(s)			
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DETAILED ACTION

- 1. Claims 2-5, 13-16, 19 and 20 are cancelled claims.
- 2. In view of the amendment of August 2, 2006, previous 102(e) rejection and 103(a) rejection over Imai et al'025 are hereby withdrawn.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1, 6, 10-12, 17 and 18 rejected under 35 U.S.C. 102(b) as being anticipated by Fanger et al (4,221,859).

In Example IV, Fanger teaches a photopolymerizable composition containing 100 parts polyvinyl acetate emulsion having 55 % solids (which means 55 parts of polyvinyl acetate in solids), 4.8 parts of polyvinyl alcohol, N,N'-methylene bisacrylamide, dimethyl-2-hydroxypropylamine methacrylimide, pyrazolone dye and 0.8 parts of oxalic acid (as photoinitiator). Therefore, Fanger's composition contains 0.54 parts of oxalic acid per 40 parts of polymeric binder on a dry weight basis. Since Fanger uses oxalic acid as a photoinitiator, Fanger also teaches present photoactive component (in present claim language, it is not required that present photoactive component is a separate component from present organic acid). In Example IV, Fanger's composition is coated on a grained aluminum plate (Fanger also teaches copper substrate in col.5, line 20) and then dried. The dried film is exposed to UV light and then placed in a water spray

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which washes away the unexposed areas, thus producing a fine relief image.

Therefore, Fanger teaches present inventions of claims 1, 6, 10-12, 17 and 18.

5. Claims 1, 6-12, 17 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Urano et al (5,800,952).

In Comparative Examples 6 and 9 (see Table 2, and see also the last three lines of col.15-16, first fifteen lines of col.17-18, and col.4, lines 15-17, col.16, lines 48-58), Urano teaches a photopolymerizable composition containing a photopolymerization initiator system II including R-1 (2,2'-bis(o-chlorophenyl)-4,4',5,5'-tetraphenylbiimidazole), an ethylenic compound, 24 parts of an organic polymer material (1) (with acid value of 80) which is shown below, and 3 parts of an additive which is one of oxalic acid and phthalic acid:

Therefore, Urano teaches present 5 parts of the organic acid per 40 parts of polymeric binder. Urano coats his composition onto a substrate, followed by exposure and development. Thus, Urano teaches present inventions of claims 1, 6-12, 17 and 18.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sin J. Lee whose telephone number is 571-272-1333. The examiner can normally be reached on Monday-Friday from 9:00 am EST to 5:30 pm EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S.J.J.

S. Lee

December 10, 2006

SIN LEE

PRIMARY EXAMINER